



Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • Tread Manufacturers Cement
SDS Number/Grade • 0022
Product Code • 98-152; 98-154

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Adhesive

1.3 Details of the supplier of the safety data sheet

Manufacturer • Patch Rubber Company
100 Patch Rubber Road
Weldon, NC 27890
United States

Telephone (General) • (252)-536-2574

1.4 Emergency telephone number

Manufacturer • 1-800-424-9300 - CHEMTREC
Manufacturer • +1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

Section 2: Hazards Identification

UN GHS

According to Third Revised Edition

2.1 Classification of the substance or mixture

UN GHS • Flammable Liquids 2 - H225
Skin Irritation 2 - H315
Skin Sensitization 1B - H317
Eye Irritation 2A - H319
Respiratory Sensitization 1B - H334
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
Hazardous to the aquatic environment Acute 1 - H400
Hazardous to the aquatic environment Chronic 1 - H410

2.2 Label elements

UN GHS

DANGER



Hazard statements

- H225 - Highly flammable liquid and vapour
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H336 - May cause drowsiness or dizziness
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements

- Prevention**
- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - P233 - Keep container tightly closed.
 - P240 - Ground and/or bond container and receiving equipment.
 - P242 - Use only non-sparking tools.
 - P241 - Use explosion-proof electrical, ventilating and/or lighting equipment.
 - P243 - Take precautionary measures against static discharge.
 - P261 - Avoid breathing dust.
 - P264 - Wash thoroughly after handling.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P272 - Contaminated work clothing should not be allowed out of the workplace.
 - P273 - Avoid release to the environment.
 - P280 - Wear protective gloves, clothing, and eye/face protection.
 - P285 - In case of inadequate ventilation wear respiratory protection.

- Response**
- P370+P378 - In case of fire: Use appropriate media for extinction.
 - P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 - P391 - Collect spillage.

- Storage/Disposal**
- P403+P235 - Store in a well-ventilated place. Keep cool.
 - P405 - Store locked up.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

UN GHS

- According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered hazardous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS

- Flammable Liquid
- Flammable/Combustible Class IB
- Irritant
- Target Organ Effects - Central Nervous System (CNS)

2.2 Label elements

OSHA HCS

- Not required

2.3 Other hazards

OSHA HCS

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

NFPA



See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

3.2 Mixtures

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Naphtha (petroleum), hydrotreated light	CAS:64742-49-0 EC Number:265-151-9	60% TO 100%	NDA	UN GHS: Skin Irrit. 2; STOT SE 3:Narc.; Aquatic Acute 1, Aquatic Chronic 1, Asp. 1; Flam Liq 1.	NDA
Thermoplastic Phenolic Resin	Proprietary	1% TO 5%	NDA	UN GHS: Resp Sens. 1B; Skin Sens 1; Skin Irrit. 2; Eye Irrit. 2A;	NDA

Carbon Black	CAS:1333-86-4 EC Number:215-609-9	1% TO 5%	Ingestion/Oral-Rat LD50 · >15400 mg/kg Skin-Rabbit LD50 · >3 g/kg	UN GHS: Carc. 2; STOT RE 1; - Will not be released in final product	NDA
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	CAS:26678-93-3	1% TO 5%	NDA	UN GHS: Skin Irrit. 2; Eye Irrit. 2A;	NDA
Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	CAS:60303-68-6	0.1% TO 1%	NDA	UN GHS: Skin Sens. 1;	NDA
Rosin	CAS:8050-09-7 EC Number:232-475-7	0.1% TO 1%	Inhalation-Rat LC50 · 110 mg/m ³ Ingestion/Oral-Rat LD50 · 3 mg/kg	UN GHS: Skin Sens. 1	NDA

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to the material.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media

- SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media

- No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated.

Vapors may form explosive mixtures with air.
 Vapor explosion hazard indoors, outdoors or in sewers.
 Vapors may travel to source of ignition and flash back.
 Runoff to sewer may create fire or explosion hazard.

Hazardous Combustion Products

- May form: carbon dioxide, carbon monoxide and various hydrocarbons.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
 Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
 Runoff from fire control may cause pollution.
 LARGE FIRES: Dike fire-control water for later disposal.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
 All equipment used when handling the product must be grounded.
 SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
 Use clean non-sparking tools to collect absorbed material.
 A vapor suppressing foam may be used to reduce vapors.
 LARGE SPILLS: Dike far ahead of spill for later disposal.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from heat and ignition sources – No Smoking. Product can accumulate static charge by flow or agitation. Bond and ground equipment when transferring from one vessel to another. Empty containers retain product residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other ignition sources. They may explode and cause injury or death. Use only with adequate ventilation. Do not enter confined spaces such as tanks or pits without following proper entry procedures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep away from incompatible materials. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Incompatible Materials or Ignition Sources

- Avoid contact with strong oxidizing agents.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection**8.1 Control parameters**

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	NIOSH	OSHA
Methylcyclohexane (108-87-2)	TWAs	400 ppm TWA	400 ppm TWAEV; 1600 mg/m ³ TWAEV	400 ppm TWAEV; 1610 mg/m ³ TWAEV	400 ppm TWA; 1600 mg/m ³ TWA	500 ppm TWA; 2000 mg/m ³ TWA
3-Methylhexane (589-34-4)	STELs	500 ppm STEL	Not established	Not established	Not established	Not established
	TWAs	400 ppm TWA	Not established	Not established	Not established	Not established
Hexane, 2-methyl- (591-76-4)	STELs	500 ppm STEL	Not established	Not established	Not established	Not established
	TWAs	400 ppm TWA	Not established	Not established	Not established	Not established
Calcium silicate (1344-95-2)	TWAs	10 mg/m ³ TWA (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m ³ TWAEV (total dust)	10 mg/m ³ TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Ethylbenzene (100-41-4)	STELs	125 ppm STEL	125 ppm STEV; 540 mg/m ³ STEV	125 ppm STEV; 543 mg/m ³ STEV	125 ppm STEL; 545 mg/m ³ STEL	Not established
	TWAs	100 ppm TWA	100 ppm TWAEV; 435 mg/m ³ TWAEV	100 ppm TWAEV; 434 mg/m ³ TWAEV	100 ppm TWA; 435 mg/m ³ TWA	100 ppm TWA; 435 mg/m ³ TWA
Benzene (71-43-2)	STELs	2.5 ppm STEL	2.5 ppm STEV (applies to workplaces to which the designated substance regulation does not apply); 2.5 ppm STEV (designated substances regulation)	5 ppm STEV; 15.5 mg/m ³ STEV	1 ppm STEL	5 ppm STEL (see 29 CFR 1910.1028)
	TWAs	0.5 ppm TWA	0.5 ppm TWAEV (applies to workplaces to which the designated substance regulation does not apply); 0.5 ppm TWAEV (designated substance regulation)	1 ppm TWAEV; 3 mg/m ³ TWAEV	0.1 ppm TWA	10 ppm TWA (applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028); 1 ppm TWA
	Ceilings	Not established	Not established	Not established	Not established	25 ppm Ceiling
Propionic acid (79-09-4)	TWAs	10 ppm TWA	10 ppm TWAEV; 30 mg/m ³ TWAEV	10 ppm TWAEV; 30 mg/m ³ TWAEV	10 ppm TWA; 30 mg/m ³ TWA	Not established
	STELs	Not established	Not established	Not established	15 ppm STEL; 45 mg/m ³ STEL	Not established

Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	1.5 ppm CEV	2 ppm Ceiling; 3 mg/m ³ Ceiling	0.1 ppm Ceiling (15 min)	Not established
	STELs	Not established	1.0 ppm STEV	Not established	Not established	2 ppm STEL (see 29 CFR 1910.1048)
	TWAs	Not established	Not established	Not established	0.016 ppm TWA	0.75 ppm TWA
Kaolin (1332-58-7)	TWAs	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m ³ TWAEV (containing no asbestos and less than 1% crystalline silica, respirable)	5 mg/m ³ TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Toluene (108-88-3)	TWAs	20 ppm TWA	20 ppm TWAEV	50 ppm TWAEV; 188 mg/m ³ TWAEV	100 ppm TWA; 375 mg/m ³ TWA	200 ppm TWA
	Ceilings	Not established	Not established	Not established	Not established	300 ppm Ceiling
	STELs	Not established	Not established	Not established	150 ppm STEL; 560 mg/m ³ STEL	Not established
Rosin (8050-09-7)	TWAs	Not established	Not established	0.1 mg/m ³ TWAEV (as formaldehyde)	Not established	Not established
Zinc oxide (1314-13-2)	STELs	10 mg/m ³ STEL (respirable fraction)	10 mg/m ³ STEV (respirable)	10 mg/m ³ STEV (fume)	10 mg/m ³ STEL (fume)	Not established
	TWAs	2 mg/m ³ TWA (respirable fraction)	2 mg/m ³ TWAEV (respirable)	5 mg/m ³ TWAEV (fume); 10 mg/m ³ TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	5 mg/m ³ TWA (dust and fume)	5 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
	Ceilings	Not established	Not established	Not established	15 mg/m ³ Ceiling (dust)	Not established
Carbon Black (1333-86-4)	TWAs	3.5 mg/m ³ TWA	3.5 mg/m ³ TWAEV	3.5 mg/m ³ TWAEV	3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (carbon black in presence of polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m ³ TWA
Heptane (142-82-5)	STELs	500 ppm STEL	500 ppm STEV; 2045 mg/m ³ STEV	500 ppm STEV; 2050 mg/m ³ STEV	Not established	Not established
	TWAs	400 ppm TWA	400 ppm TWAEV; 1635 mg/m ³ TWAEV	400 ppm TWAEV; 1640 mg/m ³ TWAEV	85 ppm TWA; 350 mg/m ³ TWA	500 ppm TWA; 2000 mg/m ³ TWA
	Ceilings	Not established	Not established	Not established	440 ppm Ceiling (15 min); 1800 mg/m ³ Ceiling (15 min)	Not established

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face	Wear splash goggles.
Hands	Wear appropriate gloves.
Skin/Body	Wear protective clothing
General Industrial Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.
Environmental Exposure Controls	Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

CEV = Ceiling exposure value; is the maximum airborne concentration of a biological or chemical agent to which a worker is exposed at any time

STEV = Short Term Exposure Value

MSHA = Mine Safety and Health Administration

TWAEV = Time-Weighted Average Exposure Value

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Black flammable liquid with a hydrocarbon odor.
Color	Black	Odor	Hydrocarbon
Taste	No data available	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	195 to 210 F(90.5556 to 98.8889 C)	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	No data available	Specific Gravity/Relative Density	0.75 Water=1
Density	6.24 lbs/gal	Bulk Density	No data available
Water Solubility	Negligible	Solvent Solubility	No data available
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	45 mmHg (torr) @ 20 C(68 F)	Vapor Density	3.5 Air=1
Evaporation Rate	4.2 n-Butyl Acetate = 1	VOC (Wt.)	No data available
VOC (Vol.)	606 g/L	Volatiles (Wt.)	No data available
Volatiles (Vol.)	No data available		
Flammability			
Flash Point	15 F(-9.4444 C)	Flash Point Test Type	TCC (Tagliabue Closed Cup)
UEL	6.7 %	LEL	1 %
Autoignition	475 F(246.1111 C)	Self-Accelerating Decomposition Temperature	No data available

		(SADT)	
Heat of Combustion (ΔH_c)	No data available	Burning Time	No data available
Flame Duration	No data available	Flame Height	No data available
Flame Extension	No data available	Ignition Distance	No data available
Flammability (solid, gas)	No data available		
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	2.1 to 5 log Kow
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- High temperatures, sparks, open flames and live electrical circuits. Incompatible materials.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- May form: carbon dioxide, carbon monoxide, and various hydrocarbons.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Carbon Black (1% TO 5%)	1333-86-4	Acute Toxicity: orl-rat LD50:>15400 mg/kg; skn-rbt LD50:>3 gm/kg
Rosin (0.1% TO 1%)	8050-09-7	Acute Toxicity: orl-rat LD50:3.0 mg/kg; inh-rat LC50:110 mg/m3
GHS Properties		Classification
Acute toxicity		UN GHS • Classification criteria not met
Skin corrosion/Irritation		UN GHS • Skin Irritation 2
Serious eye damage/Irritation		UN GHS • Eye Irritation 2A

Skin sensitization	UN GHS • Skin Sensitizer 1B
Respiratory sensitization	UN GHS • Respiratory Sensitizer 1B
Aspiration Hazard	UN GHS • Classification criteria not met
Carcinogenicity	UN GHS • Classification criteria not met
Germ Cell Mutagenicity	UN GHS • Classification criteria not met
Toxicity for Reproduction	UN GHS • Classification criteria not met
STOT-SE	UN GHS • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
STOT-RE	UN GHS • Classification criteria not met

Target Organs

- Central Nervous System (CNS)

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion/Oral

Medical Conditions**Aggravated by Exposure**

- Pre-existing skin, eye, CNS, respiratory and kidney conditions may be aggravated by exposure.

Potential Health Effects**Inhalation****Acute (Immediate)**

- May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death. Intentional concentration and inhalation of heptane vapors may lead to nervous system damage.

Chronic (Delayed)

- Repeated and prolonged exposure may cause sensitization of the respiratory system .

Skin**Acute (Immediate)**

- Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.

Chronic (Delayed)

- No data available.

Eye**Acute (Immediate)**

- Causes serious eye irritation.

Chronic (Delayed)

- No data available.

Ingestion**Acute (Immediate)**

- May cause irritation if swallowed.

Chronic (Delayed)

- No data available.

Carcinogenic Effects

- This product contains carbon black (encapsulated)(1333-86-4). According to IARC "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint."

Key to abbreviations

LD = Lethal Dose

LC = Lethal Concentration

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- No studies have been found.

12.7 Other Information

- No data is available on the adverse effects of this material on the environment. Contains 60-100% of a component that has aquatic toxicity values that are expected to be in the range of 1 - 10 mg/l (based upon data from components and similar products).

Section 13 - Disposal Considerations

13.1 Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1133	Adhesives, containing a flammable liquid	3	II	NDA
TDG	UN1133	ADHESIVES containing flammable liquid	3	II	Marine Pollutant
IATA/ICAO	UN1133	Adhesive containing flammable liquid	3	II	Acute Aquatic Toxicity, Chronic Aquatic Toxicity

14.6 Special precautions for user • None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Chronic, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
Naphtha (petroleum), hydrotreated light	64742-49-0	No	No	No
Heptane	142-82-5	Yes	Yes	Yes
3-Methylhexane	589-34-4	Yes	Yes	Yes
Methylcyclohexane	108-87-2	Yes	Yes	Yes

Hexane, 2-methyl-	591-76-4	Yes	No	Yes
Thermoplastic Phenolic Resin	NDA	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	No	No	No
3-Ethylpentane	617-78-7	No	No	No
Pentane, 2,3-dimethyl-	565-59-3	Yes	Yes	Yes
Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	No	No	No
Rosin	8050-09-7	No	No	No
Sulfur	7704-34-9	Yes	Yes	Yes
Zinc oxide	1314-13-2	Yes	Yes	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	No	No	No
Toluene	108-88-3	Yes	Yes	Yes
Benzanilide, 2',2''-dithiobis-	135-57-9	No	No	No
Kaolin	1332-58-7	Yes	Yes	Yes
Guanidine, 1,3-diphenyl-	102-06-7	No	No	No
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	No	No	No
White mineral oil	8042-47-5	No	No	No
Formaldehyde	50-00-0	Yes	Yes	Yes
Propionic acid	79-09-4	Yes	Yes	Yes
Benzene	71-43-2	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Yes	Yes
Calcium silicate	1344-95-2	Yes	Yes	Yes

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Naphtha (petroleum), hydrotreated light	64742-49-0	Yes	No	Yes
Heptane	142-82-5	Yes	No	Yes
3-Methylhexane	589-34-4	No	Yes	Yes
Methylcyclohexane	108-87-2	Yes	No	Yes
Hexane, 2-methyl-	591-76-4	Yes	No	Yes

Thermoplastic Phenolic Resin	NDA	No	No	No
Carbon Black	1333-86-4	Yes	No	Yes
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	Yes	No	Yes
3-Ethylpentane	617-78-7	No	No	No
Pentane, 2,3-dimethyl-	565-59-3	No	Yes	Yes
Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Yes	No	Yes
Rosin	8050-09-7	Yes	No	Yes
Sulfur	7704-34-9	Yes	No	Yes
Zinc oxide	1314-13-2	Yes	No	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	Yes	No	Yes
Toluene	108-88-3	Yes	No	Yes
Benzanilide, 2',2''-dithiobis-	135-57-9	Yes	No	Yes
Kaolin	1332-58-7	Yes	No	Yes
Guanidine, 1,3-diphenyl-	102-06-7	Yes	No	Yes
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Yes	No	Yes
White mineral oil	8042-47-5	Yes	No	Yes
Formaldehyde	50-00-0	Yes	No	Yes
Propionic acid	79-09-4	Yes	No	Yes
Benzene	71-43-2	Yes	No	Yes
Ethylbenzene	100-41-4	Yes	No	Yes
Calcium silicate	1344-95-2	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Calcium silicate	1344-95-2	0.0005%	Uncontrolled product according to WHMIS classification criteria
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	B2
• 3-Methylhexane	589-34-4	0% TO 24%	B2
• Hexane, 2-methyl-	591-76-4	0% TO 12%	B2
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	D2A
• Propionic acid	79-09-4	0.0015%	B3, D1B, E
• Rosin	8050-09-7	0.1% TO 1%	D2A
• Formaldehyde	50-00-0	0.0032%	A, B1, D1A, D2A, D2B; B3, D1A, D2A, D2B, E (regulated under Formol)

• Carbon Black	1333-86-4	1% TO 5%	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS website.)
• Ethylbenzene	100-41-4	< 0.0008%	B2, D2A, D2B
• Heptane	142-82-5	24% TO 36%	B2, D2B
• Toluene	108-88-3	< 0.04%	B2, D2A, D2B
• Zinc oxide	1314-13-2	0.29%	Uncontrolled product according to WHMIS classification criteria
• Benzene	71-43-2	< 0.0008%	B2, D2A, D2B
• White mineral oil	8042-47-5	0.005%	Uncontrolled product according to WHMIS classification criteria
• Sulfur	7704-34-9	0.3532%	B4
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	B2
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Uncontrolled product according to WHMIS classification criteria
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	1 %
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	1 %
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	1 %
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	0.1 %
• Carbon Black	1333-86-4	1% TO 5%	1 %
• Ethylbenzene	100-41-4	< 0.0008%	0.1 %
• Heptane	142-82-5	24% TO 36%	1 %
• Toluene	108-88-3	< 0.04%	1 %
• Zinc oxide	1314-13-2	0.29%	1 %
• Benzene	71-43-2	< 0.0008%	0.1 %
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed

• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Priority Substance List 2 (substance considered toxic)
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Priority Substance List 1 (substance not considered toxic)
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Priority Substance List 1 (substance considered toxic)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	1000 lb TQ
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed

- | | | | |
|--|------------|------------|------------|
| • Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol | 26678-93-3 | 1% TO 5% | Not Listed |
| • Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2) | 60303-68-6 | 0.1% TO 1% | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

- | | | | |
|--|------------|-------------|---|
| • Calcium silicate | 1344-95-2 | 0.0005% | Not Listed |
| • Naphtha (petroleum), hydrotreated light | 64742-49-0 | 60% TO 100% | Not Listed |
| • Methylcyclohexane | 108-87-2 | 0% TO 16% | Not Listed |
| • 3-Methylhexane | 589-34-4 | 0% TO 24% | Not Listed |
| • Hexane, 2-methyl- | 591-76-4 | 0% TO 12% | Not Listed |
| • Benzothiazole, 2,2'-dithiobis- | 120-78-5 | 0.095% | Not Listed |
| • Kaolin | 1332-58-7 | 0.025% | Not Listed |
| • Propionic acid | 79-09-4 | 0.0015% | Not Listed |
| • Rosin | 8050-09-7 | 0.1% TO 1% | Not Listed |
| • Formaldehyde | 50-00-0 | 0.0032% | 2 ppm STEL (Irritant and potential cancer hazard, See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level; 0.75 ppm TWA |
| • Carbon Black | 1333-86-4 | 1% TO 5% | Not Listed |
| • Ethylbenzene | 100-41-4 | < 0.0008% | Not Listed |
| • Heptane | 142-82-5 | 24% TO 36% | Not Listed |
| • Toluene | 108-88-3 | < 0.04% | Not Listed |
| • Zinc oxide | 1314-13-2 | 0.29% | Not Listed |
| • Benzene | 71-43-2 | < 0.0008% | 5 ppm STEL (Cancer hazard, Flammable, See 29 CFR 1910.1028, 15 min); 0.5 ppm Action Level; 1 ppm TWA |
| • White mineral oil | 8042-47-5 | 0.005% | Not Listed |
| • Sulfur | 7704-34-9 | 0.3532% | Not Listed |
| • Guanidine, 1,3-diphenyl- | 102-06-7 | 0.02% | Not Listed |
| • Benzanilide, 2',2''-dithiobis- | 135-57-9 | 0.03% | Not Listed |
| • Pentane, 2,3-dimethyl- | 565-59-3 | 0% TO 4% | Not Listed |
| • 3-Ethylpentane | 617-78-7 | 0% TO 4% | Not Listed |
| • Phenol, p-(1,1,3,3-tetramethylbutyl)- | 140-66-9 | 0.01% | Not Listed |
| • Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol | 26678-93-3 | 1% TO 5% | Not Listed |
| • Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2) | 60303-68-6 | 0.1% TO 1% | Not Listed |

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- | | | | |
|---|------------|-------------|-----------------------------------|
| • Calcium silicate | 1344-95-2 | 0.0005% | Not Listed |
| • Naphtha (petroleum), hydrotreated light | 64742-49-0 | 60% TO 100% | Not Listed |
| • Methylcyclohexane | 108-87-2 | 0% TO 16% | Not Listed |
| • 3-Methylhexane | 589-34-4 | 0% TO 24% | Not Listed |
| • Hexane, 2-methyl- | 591-76-4 | 0% TO 12% | Not Listed |
| • Benzothiazole, 2,2'-dithiobis- | 120-78-5 | 0.095% | Not Listed |
| • Kaolin | 1332-58-7 | 0.025% | Not Listed |
| • Propionic acid | 79-09-4 | 0.0015% | Not Listed |
| • Rosin | 8050-09-7 | 0.1% TO 1% | Not Listed |
| • Formaldehyde | 50-00-0 | 0.0032% | |
| • Carbon Black | 1333-86-4 | 1% TO 5% | Not Listed |
| • Ethylbenzene | 100-41-4 | < 0.0008% | |
| • Heptane | 142-82-5 | 24% TO 36% | Not Listed |
| • Toluene | 108-88-3 | < 0.04% | |
| • Zinc oxide | 1314-13-2 | 0.29% | Not Listed |
| • Benzene | 71-43-2 | < 0.0008% | (including Benzene from gasoline) |
| • White mineral oil | 8042-47-5 | 0.005% | Not Listed |
| • Sulfur | 7704-34-9 | 0.3532% | Not Listed |

• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	5000 lb final RQ; 2270 kg final RQ
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	100 lb final RQ; 45.4 kg final RQ
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	1000 lb final RQ; 454 kg final RQ
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	1000 lb final RQ; 454 kg final RQ
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed

• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	100 lb EPCRA RQ
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	500 lb TPQ

• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	0.1 % de minimis concentration
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	0.1 % de minimis concentration
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	1.0 % de minimis concentration
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	0.1 % de minimis concentration
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed

• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Included in waste streams: K009, K010, K038, K040, K156, K157
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Included in waste stream: F039
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Included in waste streams: F005, F024, F025, F037, F038, F039, K085, K104, K105, K141, K142, K143, K144, K145, K147, K151, K159, K169, K171, K172
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed

• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - D Series Wastes - Max Conc of Contaminants for the Tox Characteristic

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	0.5 mg/L regulatory level
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed

• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	waste number U122
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	waste number U220
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	waste number U019
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed

• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	0.057 mg/L (wastewater); 10 mg/kg (nonwastewater)
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	0.080 mg/L (wastewater); 10 mg/kg (nonwastewater)
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	0.14 mg/L (wastewater); 10 mg/kg (nonwastewater)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	waste number U122
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	waste number U220
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	waste number U019 (Ignitable waste, Toxic waste)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	carcinogen, initial date 1/1/88 (gas)
• Carbon Black	1333-86-4	1% TO 5%	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• Ethylbenzene	100-41-4	< 0.0008%	carcinogen, initial date 6/11/04
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	carcinogen, initial date 2/27/87
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed

• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	developmental toxicity, initial date 1/1/91
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	developmental toxicity, initial date 12/26/97
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed

• Toluene	108-88-3	< 0.04%	7000 µg/day MADL (level represents absorbed dose)
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	24 µg/day MADL (oral); 49 µg/day MADL (inhalation)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	40 µg/day NSRL
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	54 µg/day NSRL (inhalation); 41 µg/day NSRL (oral)
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	6.4 µg/day NSRL (oral); 13 µg/day NSRL (inhalation)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed

• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	female reproductive toxicity, initial date 8/7/09
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	Not Listed
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Not Listed
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	male reproductive toxicity, initial date 12/26/97
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

United States - Pennsylvania

Labor**U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	
• Zinc oxide	1314-13-2	0.29%	(including fume)
• Benzene	71-43-2	< 0.0008%	
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Calcium silicate	1344-95-2	0.0005%	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Not Listed
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Not Listed
• Propionic acid	79-09-4	0.0015%	Not Listed
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	
• Carbon Black	1333-86-4	1% TO 5%	Not Listed
• Ethylbenzene	100-41-4	< 0.0008%	Not Listed
• Heptane	142-82-5	24% TO 36%	Not Listed
• Toluene	108-88-3	< 0.04%	Not Listed
• Zinc oxide	1314-13-2	0.29%	Not Listed
• Benzene	71-43-2	< 0.0008%	
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S ₂ Cl ₂)	60303-68-6	0.1% TO 1%	Not Listed

United States - Rhode Island**Labor****U.S. - Rhode Island - Hazardous Substance List**

• Calcium silicate	1344-95-2	0.0005%	Toxic
• Naphtha (petroleum), hydrotreated light	64742-49-0	60% TO 100%	Not Listed
• Methylcyclohexane	108-87-2	0% TO 16%	Toxic
• 3-Methylhexane	589-34-4	0% TO 24%	Not Listed
• Hexane, 2-methyl-	591-76-4	0% TO 12%	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	0.095%	Not Listed
• Kaolin	1332-58-7	0.025%	Toxic
• Propionic acid	79-09-4	0.0015%	Toxic; Flammable
• Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Formaldehyde	50-00-0	0.0032%	Toxic; Flammable; Carcinogen
• Carbon Black	1333-86-4	1% TO 5%	Toxic
• Ethylbenzene	100-41-4	< 0.0008%	Toxic; Flammable
• Heptane	142-82-5	24% TO 36%	Toxic; Flammable
• Toluene	108-88-3	< 0.04%	Toxic (skin); Flammable (skin)
• Zinc oxide	1314-13-2	0.29%	Toxic
• Benzene	71-43-2	< 0.0008%	Toxic (skin); Flammable (skin); Carcinogen (skin)
• White mineral oil	8042-47-5	0.005%	Not Listed
• Sulfur	7704-34-9	0.3532%	Flammable
• Guanidine, 1,3-diphenyl-	102-06-7	0.02%	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	0.03%	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	0% TO 4%	Not Listed
• 3-Ethylpentane	617-78-7	0% TO 4%	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	0.01%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	1% TO 5%	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	0.1% TO 1%	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Summary		
Date	MSDS No.	Changes
07/March/2012	0022	• Section 2 changed. Changes include addition of UN GHS Hazardous to the aquatic environment Acute 1 and Hazardous to the aquatic environment Chronic 1 classifications. • Section 3 changed. Changes include formulation change

Last Revision Date

- 07/March/2012

Preparation Date

- 07/March/2012

Disclaimer/Statement of Liability

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not

adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Key to abbreviations

NDA = No data available.
